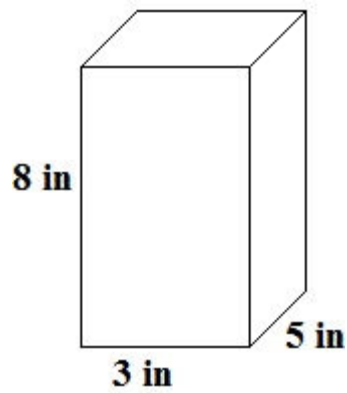


1. Find the surface area and volume of the following rectangular prism.



SA = _____

V = _____

2. Find the missing values for a rectangular prism.

a) Length = 5 m

Width = 4 m

Height = 10 m

Area = _____

Volume = _____

b) Length = _____

Width = 20 ft

Height = 6 ft

Surface Area = _____

Volume = 3600 ft^3

c) Length = 10 cm

Width = _____

Height = 8 cm Surface

Surface Area = 400 cm^2

Volume = _____

3. Flooring is usually measured in square feet or 1 ft by 1 ft squares. How could you express this in square inches?

4. a) Ashley wants to build a rectangular flower bed that measures **2.5m x 3m x 0.5m**. How many **cubic metres** of soil will she need to fill the flower bed?

b) Soil comes in bags that hold 0.5 m^3 , how many bags will Ashley need to fill her new flower bed?

c) If each bag of soil cost \$5.79, how much will it cost to fill the flower bed?

5. Ms. Best has a rectangular shaped seat on her bench that she wants **to cover with fabric**. The dimensions of the seat are **4 ft x 2 ft x 0.75 ft**.

a) How much fabric will it take to cover the seat of Ms. Best's bench?

b) If fabric costs \$10/ ft^2 , how much will it cost to cover the sofa?